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| FORM PTO-1449 (Modified) INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) | Attorney Docket No.: 57188/02-774 | |
| | Applicant(s): Confer, <i>et al.</i> | |
| | Title: <i>M. Haemolytica</i> outer membrane protein PlpE as a vaccine component against shipping fever | |
| | Serial No.: 10/696,544 | Filing Date: 10/29/2003 |
| | Group: 2655 1645 | Examiner: Unknown |

U.S. PATENT DOCUMENTS

| Examiner Initials | | Document No. | Date | Name | Class | Subclass |
|-------------------|----|--------------|------|------|-------|----------|
| | AA | | | | | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials | | Document No. | Date | Name (Inventors) | Class | Translation Yes / No |
|-------------------|----|-------------------|------------|------------------|-------|----------------------|
| SD | AB | WO 2004/041182 A2 | 05/21/2004 | Confer, et al. | A61K | |

OTHER ART

| Examiner Initial | | (Including Author, Title, Date, Pertinent Pages, Etc.) |
|------------------|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SD | AC | Pandher, Karamjeet, Confer, Anthony W., and Murphy, George L., "Genetic and Immunologic Analyses of PlpE, a Lipoprotein Important in Complement-Mediated Killing of <i>Pasteurella haemolytica</i> Serotype 1." <i>Infection and Immunity</i> , Dec. 1998, Vol 66, No. 12, p. 5613-5619. |

| Examiner Initial | | (Including Author, Title, Date, Pertinent Pages, Etc.) |
|------------------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SD | AD | Morton, DVM, PhD, Rebecaa J., Panciera, DVM, PhD, Roger J., Fulton, DVM, PhD, Robert W., Frank, DVM, PhD, Glynn H., Ewing, DVM, PhD, Sidney A., Homer, PhD, John T., Confer, DVM, PhD, Anthony W., "Vaccination of cattle with outer membrane protein-enriched fractions of <i>Pasteurella haemolytica</i> and resistance against experimental challenge exposure." <i>Am J Vet Res</i> , Vol. 56, No. 7, July 1995, pp. 875-879. |
| SD | AE | Pandher, Karamjeet, Murphy, George L., Confer, Anthony W., "Identification of immunogenic, surface-exposed outer membrane proteins of <i>Pasteurella haemolytica</i> serotype 1." <i>Veterinary Microbiology</i> 65 (1999) pp. 215-226. |
| SD | AF | PCT International Search Report issued in connection with PCT/US03/34574, date of Mailing 18 June 2004. |
| SD | AG | Confer, Anthony W., Ayalew, Sahlu, Panciera, Roger J., Montelongo, Marie, Whitworth, Lisa C., Hammer, Jordan D., "Immunogenicity of recombinant <i>Mannheimia haemolytica</i> serotype 1 outer membrane protein PlpE and augmentation of a commercial vaccine." <i>Vaccine</i> 21 (2003) pp. 2821-2829 (published after priority date). |

| EXAMINER | DATE CONSIDERED |
|----------|-----------------|
| SD | Decem. 04 |

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance. Include copy of this form with next communication to applicant.